

XXIX.—*A Century of new Genera and Species of Orchidaceous Plants.* Characterized by Professor LINDLEY.

Decade 1.

1. *EULOPHIA filicaulis*; foliis, scapo gracillimo paniculato, bracteolis pedicellis multo brevioribus, sepalis petalisque linearibus obtusis, labello oblongo apice trilobo basi in cornu brevi producto, laciniis lateralibus brevibus intermedia oblonga concava crispa intus lævi venis quibusdam paulo elevatis, anthera bicristata. *Mexico*, Karwinski in herb. reg. Monac.

A very slender graceful plant, with the flowering stem $1\frac{1}{2}$ foot high.

2. *EULOPHIA dilatata*; foliis, scapo stricto simplici, bracteis acuminatissimis ovario brevioribus, sepalis lanceolatis acutis, petalis paulo obtusioribus et latioribus, labello basi mutico biauriculato sursum dilatato obtuso: venis 5 basin versus lamellatis. *Mexico*, Karwinski in herb. reg. Monac.

Flowering scape more than 2 feet high. Sepals about three-quarters of an inch long.

3. *GOVENIA pauciflora*; foliis binis oblongis acutis scapo paulo brevioribus, racemo 7—8-floro, bracteis lanceolatis membranaceis pedicellis brevioribus, sepalis oblongis acutis, petalis labelloque intus lævi ovato-lanceolatis, antheræ mucrone recurvo. *Mexico, near Jesus del Oro*, Karwinski in herb. reg. Monac.

A very remarkable species, with short oblong acute leaves, and a few-flowered scape not much longer than themselves. The whole plant is little more than a foot high.

4. *ISOCHILUS cernuum*; caulibus cæspitosis filiformibus erectis, foliis teretibus obtusissimis, spatha terminali bivalvi, pedunculis elongatis, floribus cernuis, sepalis ovatis petalisque linearibus obtusis, labello concavo subtrilobo columnæ adnato apice carnoso acuto utrinque rotundato membranaceo, linea elevata in medio. *Mexico*, Karwinski.

The habit of this plant is that of *Isochilus globosum*, but its stems are nearly 6 inches high and stout in proportion, and the flowers are half an inch long: they seem to be yellow.

5. *SUTRINA* (Nov. gen. Vandearum). Perianthium cylindræum, clausum. Sepala coriacea, lateralia fere ad apicem usque connata, basi subsaccata. Petala membranacea, conformia. Labellum liberum, unguiculatum, supra basin medio elevatum, oblongum, concavum, indivisum. Columna basi teres, sursum dilatata, apice utrinque alis falcatis instructa; clinandrio antice bidentato. Anthera membranacea, semibilocularis, antice membrana lata circulari cristata. Pollinia 2, pyriformia, solida, caudiculæ lineari in glandulam longissimam setaceam incumbentem affixa.—Herba glabra epiphyta, pseudobulbosa, foliis solitariis coriaceis, spica multiflora pendula.

SUTRINA bicolor. Pseudobulbi parvi ovati. Folia 2—3 poll. longa, ovalia, subsessilia. Spica 3—4 poll. longa. Bracteæ breves squamæformes. Flores 7 lin. longi. Sepala oblonga apiculata apice recurva, verosimiliter viridia. Labellum apice rotundatum, crispum, luteum.

Peru, Matthews in herb. Hooker.

This very curious genus is probably related to *Macradenia*, but its habit and structure are in all respects very peculiar. The gland resembles a long bristle or cobbler's awl, and projects beyond the column, extending as far as its long falcate arms. The anther, which is globose where the pollen lies, is furnished in front with a broad circular crest.

6. *BOLBOPHYLLUM Napelli*; pseudobulbis conicis, folio oblongo obtuso, scapo 1-bifloro folii longitudine apice ipso sub flore bibracteato, bracteis setaceis inæqualibus, sepalis lateralibus dorsalibus galeatis ovatis acutis, petalis conformibus paulo minoribus, labello lineari obtuso unguiculato, columna basi utrinque in dentem acuminatum producta.

Brazil, Descourtilz, Miers.

A very singular species with a solitary flower, white with violet stripes, and about half an inch long. In form it much resembles the flower of *Aconitum Napellus*, which suggested to M. Descourtilz its specific name. The lip is white with green veins.

7. *BOLBOPHYLLUM tripetalum*; pseudobulbo tetragono, folio oblongo acuto racemo brevior, scapo 6—7-floro flexuoso erecto, bracteis ovatis scariosis ovario longioribus, sepalis linearibus acutis patulis, petalis minimis squamæformibus, labello ciliato unguiculato apice oblongo obtuso basi ima utrinque auriculato, columna 4-dentata.

Brazil, Descourtilz.

A good figure of this exists among M. Descourtilz's drawings. It is related to *B. saltatorium*, like which its lip appears to be delicately and elastically articulated with column. The sepals are pale yellow, three-quarters of an inch long. The lip is bright yellow with crimson spots. It is stated by its discoverer to be scentless and to cover whole trunks of trees.

8. *BOLBOPHYLLUM gladiatum*; pseudobulbo ovato tetragono, folio oblongo carinato spica longe pedunculata multo breviori, spica secunda multiflora, rachi subclavata, sepalis linearibus lateralibus connatis, petalis obovatis ciliatis limbatis, labello unguiculato cordato in processum angustum gladiatum villosum elongato, columna 4-dentata.

Brazil, Descourtilz.

A most singular plant, the appearance of whose flowers is thus described by M. Descourtilz:—"The upper sepal is very long, very narrow, channeled at its base, acute at the point, lemon-coloured, as well as the two lateral, which are joined by their edges into one, two-toothed at the point. From the position constantly assumed by the flower, these three sepals are placed right and left of the axis.

The petals are short, spathulate, touching at both base and point, leaving between them a heart-shaped space; they are white edged with purple, and fringed with purple hairs on their outer edge; in the middle is a large heart-shaped violet spot. The lip is hinged with the column, moveable, and consists of a channel with broad wings, white edged with purple, and of a very long process, shaped like a sword-blade hanging down, brownish and velvety with hairs."

9. *BOLBOPHYLLUM exaltatum*; pseudobulbo tetragono folio oblongo obtuso paulo brevior, scapo vaginato stricto longissimo (pedali et ultra), vaginis obtusis supremis laxioribus, spica multiflora, bracteis ovatis concavis acutis herbaceis, sepalis ovatis acuminatis, petalis oblongis ciliatis, labello obovato obtuso pubescente lamina elevata in medio, columnæ dentibus supremis cirrhosis, anthera mucronata.

Guayana, Schomburgk.

The leaf of this remarkable plant is not much more than an inch long, while the scape is more than a foot high. The flowers are purple, and half concealed by the large permanent bracts.

10. *BOLBOPHYLLUM bisetum*; pseudobulbis inverse pyriformibus, folio lanceolato basi angustato spica paulo longiore, scapi filiformis erecti vaginis 3 distantibus laxis acutis, spica densa brevi nutante, sepalis alte carinatis lateralibus connatis semiorbicularibus dorsali oblongo minore, petalis spathulatis unguiculatis, labello convexo linguiformi villosa basi cordato, columnæ dentibus setaceis, bracteis 2 filiformibus sub flore.

Khasya, Griffith.

A very singular little plant, with flowers as large as a small pea, and deeply keeled sepals. Under each flower is a pair of long filiform bracts.

XXX.—*Horæ Zoologicae*. By SIR W. JARDINE, Bart.,
F.R.S.E. & F.L.S., &c.

No. V. *Description of some Birds collected during the last expedition to the Niger.*

WHEN in London during the month of July last, Mr. Waterhouse, being aware that I was anxious to receive information regarding the family of the *Nectariniadæ*, kindly placed at my disposal for examination a small collection of birds procured by Dr. Stanger during the last expedition to the Niger, and as all the productions of a country which has been so fatal to our countrymen in the prosecution of their philanthropic schemes must be of interest, and the collection moreover presents some specimens apparently undescribed, a short notice of them has been considered as having a claim to a place in our "Horæ."